CLAIMS

1. An image processing apparatus having a plurality of image processing functions, comprising:

5   IP address generating means, connected to an IPv6 router on a network, for acquiring prefix information from said IPv6 router and generating an IP address unique to each of the plurality of image processing functions on the basis of the acquired prefix information; and

10   control means for communicating with other appliance on the network by use of the IP address generated for every image processing function and operating each of the plurality of image processing functions in accordance with a result of the

15 communication.

2. An image processing apparatus according to claim 1, wherein said control means executes the plurality of image processing functions by executing, on a time-division basis using a task switchover,

20 control task programs corresponding respectively to the plurality of image processing functions, and performs the communication using the IP address generated for every image processing function on the basis of the control task program, taking as a unit

25 the control task program corresponding respectively to the plurality of image processing functions.

3. A control method of an image processing

apparatus having a plurality of image processing functions, comprising:

an IP address generating step of establishing a connection to an IPv6 router on a network, acquiring

5   prefix information from said IPv6 router and generating an IP address unique to each of the plurality of image processing functions on the basis of the acquired prefix information; and

a controlling step of performing a communication

10   with other appliance on the network by use of the IP address generated for every image processing function and operating each of the plurality of image processing functions in accordance with a result of the communication.

15   4. A control method of an image processing apparatus according to claim 3, wherein said controlling step involves executing the plurality of image processing functions by executing, on a time-division basis using a task switchover, control task

20   programs corresponding respectively to the plurality of image processing functions, and performing the communication using the IP address generated for every image processing function on the basis of the control task program, taking as a unit the control

25   task program corresponding respectively to the plurality of image processing functions.

5. A control program of an image processing

apparatus having a plurality of image processing functions, comprising:

an IP address generating step of establishing a connection to an IPv6 router on a network, acquiring

5 prefix information from said IPv6 router and generating an IP address unique to each of the plurality of image processing functions on the basis of the acquired prefix information; and

a controlling step of performing a communication

10 with other appliance on the network by use of the IP address generated for every image processing function and operating each of the plurality of image processing functions in accordance with a result of the communication.

15 6. A control program of an image processing apparatus according to claim 5, wherein said controlling step involves executing the plurality of image processing functions by executing, on a time-division basis using a task switchover, control task

20 programs corresponding respectively to the plurality of image processing functions, and performing the communication using the IP address generated for every image processing function on the basis of the control task program, taking as a unit the control

25 task program corresponding respectively to the plurality of image processing functions.